CLAIMS

1. Mechanism for simultaneously turning up and stretching out an extension part (12, 112) relative to a reference part (1, 101), comprising
at least one "essentially fixed", linearly extending means (10, 110) having one end interconnected with said reference part and the other end pivotally interconnected with said extension part, and
at least one hinging, linearly extending means (11,111) , having one end pivotally connected to a swivel point on said reference part, and the other end, which is rigidly interconnected with said extension part, pivotally interconnected with said other end of said essentially fixed, linearly extending means,
characterised in that said essentially fixed, linearly extending means and said hinging, linearly extending means are each composed of telescopic sliding profile elements (10, 110), the essentially fixed sliding profile element(s) having a first profile interconnected with said reference part (1,101) whereas the other profile (A) is pivotally interconnected with said extension part (12,112), and the hinging sliding profile element(s) having a first profile pivotally connected to a swivel point (Z, Z') on said reference part (1,101), whereas the other profile (B), which is rigidly interconnected with said extension part (12,112), is pivotally interconnected with said (corresponding) other profile (A) of the essentially fixed sliding profile element.

2. Mechanism according to claim 1, **characterised in that** the first profiles and the other profiles of the essentially fixed sliding profile element(s) and the hinging sliding profile element(s) are interconnected with each other and with said reference part so that said hinging sliding profile element hinges in a plane parallel to the

sliding movement of said essentially fixed sliding profile element and said hinging sliding profile element

3. Mechanism according to any one of claims 1 and 2, **characterised in that** the mechanism comprises two sets of essentially fixed telescopic sliding profile elements and two sets of hinging telescopic sliding profile elements, positioned symmetrically with respect to said reference part and/or said turning up and stretching out extension part.

4. Mechanism according to any one of claim 1 - 3, **characterised in that** said other profile(s) of said hinging sliding profile element(s) acts/act as support for said extension part.

5. Mechanism according to any one of the preceding claims, **characterised in that** said first profile of the essentially fixed sliding profile element(s) is interconnected to said reference part via a pantograph framework which modifies the direction of the essentially fixed sliding profile element in function of the hinging of the hinging sliding profile element.

6. Mechanism according to claim 5, **characterised in that** said pantograph framework involves
a swivel point connection (22) between said first profile of the essentially fixed sliding profile element (110 on 104) and said reference part (101),
a swivel point connection (N') between said first profile of the hinging sliding profile element (111 on 109) and a pantograph framework main part (21),

a swivel point connection (Z') between said first profile of the hinging sliding profile element (111 on 109) and the reference part (101),
a lever connection (23) between said first profile of said essentially fixed sliding profile element (110 on 104) and said pantograph framework main part (21), via swivel points (24) and (25), and
a lever connection (102) between said pantograph framework main part (21) and said reference part (101).

7. Mechanism according to any one of the preceding claims, **characterised in that** said sliding profile elements slide on ball bearing elements.

8. Recliner chair construction comprising a footrest (12, 112) which simultaneously turns up and stretches out relative to the chair or chair support (1,101), **characterised in that** it comprises a mechanism according to any one of the preceding claims, in which said extension part of said mechanisms constitutes said turning up and stretching out footrest.

9. Recliner chair construction comprising a footrest (12,112) which simultaneously turns up and stretches out relative to the chair support (1,101), comprising at least one "essentially fixed", linearly extending means (10,110) having one end interconnected with the chair and the other end pivotally interconnected with said footrest, and at least one hinging, linearly extending means (11,111), having one end pivotally connected to a swivel point on the chair, and the other end, which is rigidly interconnected with said footrest, pivotally interconnected with said other end of said essentially fixed, linearly extending means,

characterised in that said essentially fixed, linearly extending means and said hinging, linearly extending means are each composed of telescopic sliding profile elements (10,101), the essentially fixed sliding profile element(s) having a first profile interconnected with the chair (1,101) whereas the other profile (A) is pivotally interconnected with the footrest (12,112), and the hinging sliding profile element(s) having a first profile pivotally connected to a swivel point (Z,Z') on the chair (1,101), whereas the other profile (B), which is rigidly interconnected with said footrest (12,112), is pivotally interconnected with said (corresponding) other profile (A)of the essentially fixed sliding profile element.

10. Chair construction according to claim 9, **characterised in that** the first profiles and the other profiles of the essentially fixed sliding profile element(s) and the hinging sliding profile element(s) are interconnected with each other and with the chair so that said hinging sliding profile element hinges in a plane parallel to the sliding movement of said essentially fixed sliding profile element and said hinging sliding profile element.

11. Chair construction according to any one of claims 9 and 10, **characterised in that** the construction comprises two sets of essentially fixed telescopic sliding profile elements and two sets of hinging telescopic sliding profile elements, positioned symmetrically with respect to the chair and/or the turning up and stretching out footrest.

12. Chair construction according to any one of claim 9 - 11, **characterised in that** said other profile(s) of said hinging sliding profile element(s) acts/act as support for said footrest.

13. Chair construction according to any one of claims 9 - 12, **characterised in that** said first profile of the essentially fixed sliding profile element(s) is interconnected to said chair via a pantograph framework which modifies the direction of the essentially fixed sliding profile element in function of the hinging of the hinging sliding profile element.

14. Chair construction according to claim 13, **characterised in that** said pantograph framework involves
a swivel point connection (22) between said first profile of the essentially fixed sliding profile element (110 on 104) and a chair frame (101),
a swivel point connection (N') between said first profile of the hinging sliding profile (111 on 109) and a pantograph framework main part (21),
a swivel point connection (Z') between said first profile of the hinging sliding profile element (111 on 109) and the reference part, (101)
a lever connection (23) between said first profile of said essentially fixed sliding profile element (110 on 104) and said pantograph framework main part (21), via swivel point (24) and (25), and
a lever connection (102) between said pantograph framework main part (21) and the chair frame (101).

15. Chair construction to any one of the preceding claims, **characterised in that** said sliding profile elements slide on ball bearing elements.